

TRELLCHEM®



SAFETY AND QUALITY STANDARDS

TRELLCHEM LIGHT

Provides protection against hazardous chemicals in liquid, vapor, gaseous and solid form and specially good protection against acids and alkalis. Designed to carry the breathing apparatus inside the suit. Trelchem® Light is fully certified in accordance with the European standard EN 943-1.

GARMENT MATERIAL

The Trelchem® Light material is made of a strong and flexible polyamide fabric, which is coated with PVC on both sides. This construction provides a soft and durable material with good resistance to a wide range of industrial chemicals.

COLOUR

Orange.

STANDARDS

Tested and certified according to EN 943-1.





Type CV



Type VP1



Type T

DESIGN

Trellchem® Light comes in different designs to fit all user preferences:

- Encapsulating design with hump (type CV or VP1), BA worn inside the suit or
- Non-encapsulating design with face seal and without hump (type T), BA worn outside the suit.
- Encapsulating design for use with external air source (type Freeflow). See separate product sheet.

VISOR

On encapsulating suits the visor is made from a rigid 2 mm impact and chemical resistant PVC. Option of two visors; CV or the larger VP1.

FACE SEAL

The non-encapsulating suits have a rubber face seal which is anatomically designed for optimum safety and comfort. It provides users with a tight, yet perfectly comfortable fit around the face.

ZIPPER

Strong and durable gastight chloroprene rubber coated zipper. Closing downwards for added safety. The zipper is protected by a splash guard (flap).

VENTILATION

A ventilation system is included as standard for Trellchem® suits. For the safety of the wearer it provides a constant level of overpressure inside the suit. The Trellchem® regulation valve is made of a chemical resistant material. 3 ventilation rates (2, 30 and 100 l/min) plus zero/off position. Large thumbwheel designed for a good grip. The valve is also available in a passthrough version for use with external air supply. Different types of couplings are available.



With the **Trellchem® Bayonet glove ring system** it is quick and easy to exchange both inner barrier gloves and outer rubber gloves.



Trellchem® Mk II regulating valve for suit ventilation

GLOVES & ATTACHMENTS

The suit is fitted with Nitrile/Chloroprene rubber gloves in combination with rubber cuffs for added safety. Other glove options are available. The gloves are attached with the Trellchem® Bayonet glove ring system, which offers quick and simple glove exchange.

FOOTWEAR & ATTACHMENTS

Yellow PVC safety boots, fixed with an ergonomically designed ring attachment, which simplifies boot exchange and provides a smooth yet tight fit of suit material around the boot shaft. Alternatively the suit is equipped with a sewn-on sock/bootie in the suit material.

SEAMS

Seams are stitched with a welded-on tape on the outside.

ACCESSORIES

For the EN 943-1 standard to be fulfilled a TC Hood or a Minihood is required to be worn on top of non-encapsulating suits (type T). A Minihood is always delivered with Trellchem® type T suits.

The visor can be equipped with an antifog lens and/or a tear-off lens. A wide range of other accessories is available for maintenance, storage etc.



ANTIFOG LENS & TEAR-OFF LENS

Attached to the inside of the visor, the antifog lens prevents the visor from becoming foggy. Additionally a tear-off lens can be attached to the outside of the visor to prevent scratches and splashes from aggressive chemical substances. Just tear off for a clean and unobstructed visor!



Trellechem® storage bag

MATERIAL PROPERTIES

PROPERTY	METHOD	RESULT	CLASS*
Abrasion resistance	EN 530, method 2	> 2000 cycles	6
Flex cracking resistance	ISO 7854, method B	> 100000 cycles	6
Flex cracking @ -30°C	ISO 7854, method B	> 500 cycles	3
Tear resistance, warp/weft	ISO 9073-4	> 40 N	3
Tensile strength, warp/weft	ISO 13934-1	> 500 N	5
Puncture resistance	EN 863	> 10 N	2
Seam strength	ISO 5082	> 500 N	6
Resistance to ignition	EN 13274-4, method 3	5 sec.	3

* Classifications according to EN 943-1.

PERMEATION DATA

CHEMICAL	BREAKTHROUGH TIME (MIN)
Sodium hydroxide, 40%	> 480
Sulphuric acid, 98%	150

For more information about chemical resistance, see the resistance table on www.trellechem.com